

# **Mendocino Complex**

## **Incident Action Plan**

**Day Shift September 24<sup>th</sup>, 2018 (0700 – 1900)**




✓ **This five step process provides firefighters with a simple, universal and consistent way to practice risk management**

- **Establish situation awareness**
- **Identify hazard and assess the risk**
- **Control or eliminate hazards**
- **Make decisions based on acceptability of remaining risk**
- **Evaluate the effectiveness of hazard controls and continuously re-evaluate the situation**


**Maintain a High Level of  
Situational Awareness  
CA-MEU-008674, PNL1VW18 (1502)  
Mendocino National Forest  
Northern California Incident Management Team 1**





INCIDENT OBJECTIVES	1. Incident Name <b>Mendocino Complex</b>	2. Date <b>09/23/2018</b>	3. Time <b>1600</b>
4. Operational Period <b>September 24, 2018 DAY SHIFT</b>			
<p><b>LEADERS INTENT:</b></p> <ul style="list-style-type: none"> <li>Evaluate all incident management actions in consideration of values at risk and the probability of success. Utilize a combination of appropriate tactics to provide for responder safety while minimizing responder exposure to hazards.</li> </ul> <p><b>CONTROL OBJECTIVES:</b></p> <ul style="list-style-type: none"> <li>Keep the Ranch Fire within current containment lines.</li> </ul> <p><b>MANAGEMENT OBJECTIVES:</b></p> <ul style="list-style-type: none"> <li>Ensure firefighter, public, and aviation safety are the highest priorities.</li> <li>Protect private property, improvements, and infrastructure.</li> <li>Ensure coordinated, timely, and accurate release of public information.</li> <li>Continue fostering and maintaining relationships with all cooperators and stakeholders.</li> <li>Minimize impacts to natural resources, cultural and heritage resources, and the Snow Mountain Wilderness.</li> <li>Coordinate with Resource Advisors to implement suppression repair according to the plan and agency policy.</li> <li>Coordinate with BAER Resources to ensure accountability and logistical needs.</li> </ul>			
7. General Safety Message			
<ul style="list-style-type: none"> <li>See attached safety messages.</li> </ul>			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) Alan Taylor		10. Approved by (Incident Commander) Curtis Coots 	

## ORGANIZATION ASSIGNMENT LIST (ICS 203)

<b>1. Incident Name:</b>		<b>2. Operational Period:</b> 0700-1900	
MENDOCINO COMPLEX		Date/Time From: 09/24/2018 0700 MON	Date/Time To: 09/24/2018 1900 MON
<b>3. Incident Commander(s) and Command Staff:</b>		COMMUNICATIONS UNIT	RICK STONE
IC	CURTIS COOTS DUSTAN MUELLER (T)	MEDICAL UNIT	JOSH RAMEY
DEPUTY	JAIME GAMBOA	SECURITY UNIT	CLINT ROBBINS
SAFETY OFFICER	JEFF BARNHART STEVE DAVIS	FOOD UNIT	MARK MCGUINNESS / JAY WESTLAKE
INFORMATION OFFICER	PHYLLIS SWANSON / SHAWN COMPTON	<b>7. Operations Section:</b>	
LIAISON OFFICER	KENT SWARTZLANDER	OPS SECTION CHIEF	ALEC LANE
<b>4. Agency/Organization Representative(s):</b>		PLANNING OPS	JEFF DUPRAS (T)
<b>Agency/Organization</b>	<b>Name</b>	DIVISION A/G	SHANNON BANKS
USFS	ANN CARLSON	DIVISION H	KRIS SHROEDER DANIEL GUSE (T)
UPPER LAKE RANGER DISTRICT	FRANK AEBLY	DIVISION I	BILLY COVERT
STONYFORD RANGER DISTRICT	CHRISTINE HILL	DIVISION J/K/L	PETE ENGLISH
OES	DAVE FRANKLIN	<b>8. Finance/Administration Section:</b>	
CCC	KEN MCDONALD	CHIEF	LOIS CHARLTON
LEAD READ	CHAD ATWOOD	TIME UNIT	MAGGIE PROCHAZKA
		COMPENSATION UNIT	
		COST UNIT	LOU ANN CHARBONNIER (T)
		EQTR	SARAH REID KENNETH SIMMONS (T) KARILYN PUTT (T)
		PROCUREMENT UNIT	LOUISE CASIAS
<b>5. Planning Section:</b>			
CHIEF	ALAN TAYLOR		
RESOURCES UNIT	RITA MUSTATIA JENNIFER MARTIN (T)		
DOCUMENTATION UNIT	MICHELLE HALE		
FIRE BEHAVIOR ANALYST	MIKE BEASLEY		
GIS SPECIALIST	KIM DENIZ		
<b>6. Logistics Section:</b>			
CHIEF	RICKIE CROWTHER / DAVE ALICEA (T)		
DEPUTY	MIKE JELLISON		
SUPPLY UNIT	RON PIERCE		
FACILITIES UNIT	JEFF HUHTALA / FRANK DELCARLO		
GROUND SUPPORT UNIT	HARRY ZABEL MARK VARDANEGA (T)		
<b>9. Prepared By:</b>		<b>Signature:</b>	
Name: ALAN TAYLOR			
Position/Title: PSC2			
ICS 203	IAP Page	Date/Time: 09/23/2018 0746	



**September 24 Spot Wx Forecast for *west side* of Ranch Fire  
(NWS Eureka)**

.DISCUSSION...A warmer and drier pattern will begin tonight as high pressure and offshore flow develop over the region. This will bring warmer afternoon highs, lower minimum RH values, and much poorer overnight recoveries than in recent days. Highs will begin to climb into the upper 80s by Monday and then into the mid 90s by Tuesday, with min afternoon RH values in the low to mid teens. RH values are only expected to get into the 30s Monday night. Northeasterly winds of 5-7 mph are expected each night, with winds then shifting around to the west-northwest each afternoon. The hot and dry pattern is expected to hold through the middle of the week, with a cooling trend towards the end of the week. No rain is expected through Friday.

**.MONDAY...**

Sky/weather.....Sunny.  
Max temperature.....82-89.  
Min humidity.....12-15 percent.  
Wind (20 ft).....Northeast winds 5 to 7 mph...shifting to the west in the afternoon.  
Mixing height.....0-100 ft AGL increasing to 3500-4000 ft AGL late in the morning.  
Transport winds.....Northeast around 5 mph.  
CWR.....0 percent.  
LAL.....1.

**.MONDAY NIGHT...**

Sky/weather.....Clear.  
Min temperature.....51-61.  
Max humidity.....30-40 percent.  
Wind (20 ft).....West winds 5 to 7 mph...shifting to the northeast after midnight.  
Mixing height.....3500-4000 ft AGL decreasing to 0-100 ft AGL late in the evening.  
Transport winds.....Northeast around 7 mph.  
CWR.....0 percent.  
LAL.....1.

**.TUESDAY...**

Sky/weather.....Sunny.  
Max temperature.....86-95.  
Min humidity.....10-13 percent.  
Wind (20 ft).....Northeast winds 5 to 7 mph...shifting to the northwest in the afternoon.  
Mixing height.....0 ft AGL increasing to 3000-3500 ft AGL by noon.  
Transport winds.....Northeast around 7 mph.  
CWR.....0 percent.  
LAL.....1.

**September 24 Spot Wx Forecast for *east side* of Ranch Fire  
(NWS Sacramento)**

**...RED FLAG WARNING IN EFFECT FROM 11 PM THIS EVENING  
TO 5 PM PDT TUESDAY...**

**.DISCUSSION...**

Lower humidity and north winds will increase fire weather concerns through Tuesday morning. Expect north to northwest wind gusts from 20 to 25 mph with low daytime relative humidity and poor overnight recovery.

**.MONDAY...**

Sky/weather.....Sunny.  
Max temperature.....80-90.  
Min humidity.....8-13 percent.  
Wind (20 ft)..... Slope/valley.....North winds 6 to 12 mph with gusts to around 20 mph.  
Ridgetop.....North around 8 mph. gusts to around 20 mph.  
Mixing height.....increasing to 5600 ft AGL.  
Transport winds.....North around 10 mph.  
CWR.....0 percent.  
LAL.....1.

**.MONDAY NIGHT...**

Sky/weather.....Clear.  
Min temperature.....55-62.  
Max humidity.....21-32 percent.  
Wind (20 ft).....  
Slope/valley.....North winds up to 10 mph. Gusts up to 25 mph after midnight.  
Ridgetop.....Northwest around 10 mph. Gusts up to 25 mph after midnight.  
Mixing height.....decreasing to 100 ft AGL.  
Transport winds.....Northwest around 10 mph.  
CWR.....0 percent.  
LAL.....1.

**.TUESDAY...**

Sky/weather.....Sunny.  
Max temperature.....84-94.  
Min humidity.....7-12 percent.  
Wind (20 ft).....  
Slope/valley.....North winds 6 to 12 mph. Gusts up to 25 mph in the morning.  
Ridgetop.....North around 9 mph. Gusts up to 25 mph in the morning.  
Mixing height.....increasing to 4000 ft AGL.  
Transport winds.....North around 10 mph.  
CWR.....0 percent.  
LAL.....1.

# FIRE BEHAVIOR FORECAST

**FORECAST NUMBER: 58**

**TYPE OF FIRE: Wildfire**

**FIRE NAME: Ranch Fire**

**OPERATIONAL PERIOD: Sept. 24<sup>th</sup> 0700-1900**

**DATE ISSUED: September 23<sup>rd</sup>**

**TIME ISSUED: 1900**

**UNIT: Mendocino National Forest**

**SIGNED: Mike Beasley FBAN**

## INPUTS

### DISCUSSION:

**\*\*For specific weather information, see Spot Weather Forecasts (east & west)\*\***

**\*\*\*Red Flag Warning in Effect Today through Tomorrow\*\*\***

## OUTPUTS

**GENERAL:** Smoldering with minimal active fire behavior expected today. All activity will occur inside the containment lines where islands and pockets of fuel are burning off. No new perimeter growth is expected. Cooler conditions with higher humidity will continue to dampen fire activity within the perimeter. South facing slopes with available fuels may show smoke by early afternoon. Expect unburned fuels on Crockett and St. John's Peaks to intermittently consume and produce light smoke. Live and dead/down fuel moistures are very low. Short runs are possible in all fuel types when wind and slope align.

At the head of the fire in an unburned island or initial attack of a slopover or new fire, *for those conditions where wind and slope are in alignment*, expect:

Fuel Type	Max Flame Length	Max Rate of Spread	Spotting	Probability of Ignition-Day
Grass (gr4)	11-22'	96-430 ch/hr	< 0.4 mi	96-100%
Brush (sh7)	14-25'	38-130 ch/hr	< 0.4 mi	96-100%
Timber Understory (tu5)	8-14'	10-31 ch/hr	< 0.4 mi	96-100%
Timber Litter (reburn) (tl3)	1-2'	2-6 ch/hr	< 0.4 mi	96-100%

### SPECIFIC FIRE BEHAVIOR:

#### All Branches

Interior smoldering in stumps, logs and duff layer. Watch for areas where incomplete burns occurred, allowing for possible reburns. Burn down period will temper fire behavior. Keep alert to clearer days with warmer temperatures, which could lead to increased fire behavior.

#### New Fires

Expect light flashy fuels (grasses, long-needed pine litter) to be the predominant carrier of the fire. Spread will be primarily fuels and topography driven. Areas of opportunity/tactical advantage will be where slope reversals occur or fuel model changes. Once fire is established in timber understory or timber litter, fire spread will be by way of spotting, leading to short crown runs on steepest slopes. Eye-level winds > 8 mph and relative humidity < 30% will see significant increases in fire characteristics, including transition to canopy fuel involvement.

## AIR OPERATIONS

Visibility will be good throughout the fire area.


Sunrise: 7:00 am    Sunset: 7:04 pm

## SAFETY

- Hazards throughout the fire area include: interior green islands and slopes, heavy surface fuel accumulations, needle-draped brush, ash pit/stump holes, fire weakened trees, and rolling material.
- For new starts, light flashy 1-hour fuels are the primary carrier of the fire. Rapid action is important prior to fire becoming established in heavier fuels.



**Division/Group Assignment List (ICS 204 WF)**  
Controlled Unclassified Information//Basic

<b>1. Incident Name:</b>				<b>3.</b>			
MENDOCINO COMPLEX				Branch:		Division/Group:  <b>A/G</b>	
<b>2. Operational Period:</b> 0700-1900							
Date/Time From: 09/24/2018 0700 MON		Date/Time To: 09/24/2018 1900 MON					
<b>4. Operations Personnel</b>							
OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		SHANNON BANKS	
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
ENG3 CA-MNF E-45 E-300816		10/05	WILLIAM MARCKS	4	UPPER LAKE /0745	UPPER LAKE/1945	
ENG7 CA-MNF PT-47 E-300790		09/25	NATHEN WEESE	2	UPPER LAKE /0745	UPPER LAKE/1945	
WTS2 PVT INGRAM E-300361		09/25	RYAN GRABBLE	1	UPPER LAKE /0745	UPPER LAKE/1945	
WTS2 PVT TURRI E-300362		09/29	CHRIS DEMO	1	UPPER LAKE /0745	UPPER LAKE/1945	
DOZ2 MNF 3 E-300169		10/03	SEAN D LYNCH	4	UPPER LAKE /0745	UPPER LAKE/1945	
GRD PVT ULSH E-300707		09/28	DALE ULSH	1	UPPER LAKE /0745	UPPER LAKE/1945	
<b>6. Control Operations/Work Assignments:</b>							
Patrol and mop up as needed. Repair and maintain road network in accordance with suppression repair plan and engineering.							
<b>7. Special Instructions:</b>							
SELF SUFFICIENT IN UPPER LAKE							
<b>8. Division/Group Communication Summary</b>							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A	
TACTICAL	2 - NIFC T1	168.0500N		168.0500N		A	
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A	
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A	
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A	
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>		<b>Time</b>
JENNIFER MARTIN			ALAN TAYLOR 		09/23/2018		2100


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<b>OPERATIONS CHIEF</b>		ALEC LANE		<b>DIVISION/GROUP SUPERVISOR</b>		KRIS SCHROEDER	
<b>DIVISION SUPERVISOR</b>		DAN GUSE (T)					
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time		
HC2 SCORPIONS 5 C-300244	10/02	SCOTT WOOD	20	STONYFORD/0700	STONYFORD/1900		
HC2 BIRRUETA C-300242	09/30	JOSE IBARRA	20	STONYFORD/0700	STONYFORD/1900		
ENG6 PVT-FIRESTORM E-300773	10/04	JOSHUA BRADLEY	3	STONYFORD/0700	STONYFORD/1900		
WTS1 PRECISION E-300398	10/05	MIKE DAINAUSKUS	1	STONYFORD/0700	STONYFORD/1900		
WTS1 PVT-NORTHSTATE E-300402	10/09	MIKE CARPENTER	1	STONYFORD/0700	STONYFORD/1900		
WTS1 PVT CATTLE LACK RANCH E-300412	10/06	RANDY HORN	1	STONYFORD/0700	STONYFORD/1900		
WTS1 PVT-NORTHSTATE E-300500	10/06	SCOTT BICKERS	1	STONYFORD/0700	STONYFORD/1900		
WTS1 PVT TACTICAL TENDERS E-300656	09/26	ERIN JONES	1	STONYFORD/0700	STONYFORD/1900		
WTS2 PVT CUTTING EDGE E-300504	10/02	JUSTIN GARCIA	1	STONYFORD/0700	STONYFORD/1900		
WTS2 PVT DVBE-SBE E-300658	10/01	JERROD PARRIOTT	1	STONYFORD/0700	STONYFORD/1900		
WTS2 PVT-WALBERG E-300499	09/28	WES DURANT	1	STONYFORD/0700	STONYFORD/1900		
DO22 RIDGE LOGGING E-300672	09/30	DARRELL LANDINGHAM	1	STONYFORD/0700	STONYFORD/1900		
DO22 PVT RAY CECIL E-300736	10/03	JUSTIN CECIL	1	STONYFORD/0700	STONYFORD/1900		
GRD PVT TOM J. DAVIS LIVESTOCK E-300809	10/04	CODY DAVIS	2	STONYFORD/0700	STONYFORD/1900		
GRD OWENS FREIGHT E-300810	10/04	RUSSEL PRESSEL	2	STONYFORD/0700	STONYFORD/1900		
GRD STATEWIDE E-300811	10/04	MIKE STUTESMAN	2	STONYFORD/0700	STONYFORD/1900		
EXCA TUB GRINDER RIDGE LOGGING E-300815		BRIAN FOCKNER		STONYFORD/0700	STONYFORD/1900		
EXCA PVT-LET-ER-BUCK E-300594	10/05	STEVE LASSEN	2	STONYFORD/0700	STONYFORD/1900		
TRAC PVT SELF LOADER E-300615	09/30	JAMIE SLACK	1	STONYFORD/0700	STONYFORD/1900		
<b>8. Division/Group Communication Summary</b>							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A	
TACTICAL	2 - NIFC T1	168.0500N		168.0500N		A	
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AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A	
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>			<b>Date</b>	<b>Time</b>	
JENNIFER MARTIN		ALAN TAYLOR			09/23/2018	2100	



**Division/Group Assignment List (ICS 204 WF)**  
Controlled Unclassified Information//Basic


<b>1. Incident Name:</b>				<b>3.</b>			
MENDOCINO COMPLEX				<b>Branch:</b>		<b>Division/Group:</b>  H	
<b>2. Operational Period:</b> 0700-1900							
Date/Time From: 09/24/2018 0700 MON		Date/Time To: 09/24/2018 1900 MON					
<b>4. Operations Personnel</b>							
<b>OPERATIONS CHIEF</b>		ALEC LANE		<b>DIVISION/GROUP SUPERVISOR</b>		KRIS SCHROEDER	
<b>DIVISION SUPERVISOR</b>		DAN GUSE (T)					
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time		
TRAC PVT SELF LOADER E-300616	09/27	BUCK NETTLES	1	STONYFORD/0700	STONYFORD/1900		
CHIP PVT GREENOUS E-300604	09/28	NICK DROGOWSKE	2	STONYFORD/0700	STONYFORD/1900		
CHIP PVT BELLA WILDFIRE E-300644	09/30	BRENT WALSH	2	STONYFORD/0700	STONYFORD/1900		
CHIP PVT C & E EQUIP E-300611	09/28	ZESIGER ERIC	2	STONYFORD/0700	STONYFORD/1900		
CHIP NORTH ZONE E-300807	10/02	DUANE STACHER	2	STONYFORD/0700	STONYFORD/1900		
SKID W/ TRANSPORT BAMFORD 797 E-300796	10/02	TOSH WINCHESTER	1	STONYFORD/0700	STONYFORD/1900		
SKID W/ TRANSPORT BAMFORD 796 E-300796	10/02	JEREMY APPELYARD	1	STONYFORD/0700	STONYFORD/1900		
LOG LOADER W/ SKID BAMFORD 801 E-300796	10/03	MARK MCCLARREN	2	STONYFORD/0700	STONYFORD/1900		
LOG LOADER BAMFORD 800 E-300796	10/02	BO LUHEELIER	2	STONYFORD/0700	STONYFORD/1900		
TFLD O-301201	09/29	BRIAN WOLVERT	1	STONYFORD/0700	STONYFORD/1900		
TFLD O-301186	09/27	PATRICK CALLAHAN	1	STONYFORD/0700	STONYFORD/1900		
HEQB O-301180	10/04	JAMES SMITH	1	STONYFORD/0700	STONYFORD/1900		
SOFR O-301207	10/01	DAVID GLENN	1	STONYFORD/0700	STONYFORD/1900		
AMBU AMBULANCE 1 E-300083		MOUNTAIN MEDICS	2	STONYFORD/0700	STONYFORD/1900		
EMPF O-301217	10/04	JASON DOSH	1	STONYFORD/0700	STONYFORD/1900		
REAF O-301244	10/05	LEVI BATEMAN	1	STONYFORD/0700	STONYFORD/1900		
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<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>			<b>Date</b>		<b>Time</b>
JENNIFER MARTIN		ALAN TAYLOR 			09/23/2018		2100

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OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		KRIS SCHROEDER	
DIVISION SUPERVISOR		DAN GUSE (T)					
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time		
<b>6. Control Operations/Work Assignments:</b>							
Conduct suppression repair in accordance with the suppression repair plan. Backhaul equipment and trash. Mop up and monitor as needed.							
<b>7. Special Instructions:</b>							
<b>8. Division/Group Communication Summary</b>							
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UNSTAFFED							
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<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>		<b>Time</b>
JENNIFER MARTIN			ALAN TAYLOR 		09/23/2018		2100



**Division/Group Assignment List (ICS 204 WF)**  
Controlled Unclassified Information//Basic

<b>1. Incident Name:</b>				<b>3.</b>			
MENDOCINO COMPLEX				Branch:		Division/Group:	
<b>2. Operational Period:</b> 0700-1900				<b>J/K/L</b>			
Date/Time From: 09/24/2018 0700 MON		Date/Time To: 09/24/2018 1900 MON					
<b>4. Operations Personnel</b>							
<b>OPERATIONS CHIEF</b>		ALEC LANE		<b>DIVISION/GROUP SUPERVISOR</b>		PETE ENGLISH	
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time		
HC2 OC 50 C-300243	10/03	FRED BURROWS	20	STONYFORD/0700	STONYFORD/1900		
WTT1 PVT HARDY E-300652	10/04	JOHN MARINO	1	STONYFORD/0700	STONYFORD/1900		
WTT1 PVT EL DORADO E-300699	09/27	ERIK STARKS	1	STONYFORD/0700	STONYFORD/1900		
WTS1 PVT WEINRICH E-300700	10/05	LUKE WEINRICH	1	STONYFORD/0700	STONYFORD/1900		
WTS2 PVT-BUCK E-300029	09/30	CHARLIE BRADLEY	2	STONYFORD/0700	STONYFORD/1900		
WTS2 PVT INGRAM E-300454	10/05	KEVIN MCGARR	1	STONYFORD/0700	STONYFORD/1900		
WTS3 PVT CUTTING EDGE E-300455	10/07	DAVE CARR	1	STONYFORD/0700	STONYFORD/1900		
EXCA ROBISON E-300637	10/01	KEVIN ROBISON	1	STONYFORD/0700	STONYFORD/1900		
GRD PVT WYCOFF, E-300636	09/30	BILLY WYCOFF	1	STONYFORD/0700	STONYFORD/1900		
FMOD - NORTH ZONE FALLERS O-301194	09/28	LUKE HELFINGSTINE	2	STONYFORD/0700	STONYFORD/1900		
TFLD O-301200	09/28	WARREN SWAB	1	STONYFORD/0700	STONYFORD/1900		
TFLD O-301255	10/05	SHAWN BUTTERBACH	1	STONYFORD/0700	STONYFORD/1900		
HEQB O-301195	09/28	CRAIG WILSON	1	STONYFORD/0700	STONYFORD/1900		
HEQB O-301197	09/28	JAMES SCHEID	1	STONYFORD/0700	STONYFORD/1900		
EMPF O-301216	10/05	BILL CLARK	1	STONYFORD/0700	STONYFORD/1900		
EMPF O-301214	10/04	ZACH GLANKLER	1	STONYFORD/0700	STONYFORD/1900		
READ O-301049	10/02	SHANNON LANGFORD	1	STONYFORD/0700	STONYFORD/1900		
READ O-301047	10/03	PAIGE MAKOWSKI	1	STONYFORD/0700	STONYFORD/1900		
<b>8. Division/Group Communication Summary</b>							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A	
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A	
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A	
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A	
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A	
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>			<b>Date</b>	<b>Time</b>	
JENNIFER MARTIN		ALAN TAYLOR			09/23/2018	2100	



**Division/Group Assignment List (ICS 204 WF)**  
Controlled Unclassified Information//Basic

<b>1. Incident Name:</b>				<b>3.</b>			
MENDOCINO COMPLEX				Branch:		Division/Group:  <b>J/K/L</b>	
<b>2. Operational Period:</b> 0700-1900							
Date/Time From: 09/24/2018 0700 MON		Date/Time To: 09/24/2018 1900 MON					
<b>4. Operations Personnel</b>							
OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		PETE ENGLISH	
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
<b>6. Control Operations/Work Assignments:</b>							
<p>Conduct Suppression repair in accordance with the Suppression repair plan.          Backhaul equipment and trash.          Mop up and monitor as needed.</p>							
<b>7. Special Instructions:</b>							
<b>8. Division/Group Communication Summary</b>							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A	
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A	
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A	
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A	
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A	
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>			<b>Date</b>	
JENNIFER MARTIN			ALAN TAYLOR 			09/23/2018	
						2100	

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name <b>MENDOCINO COMPLEX CA-MEU-008674</b>		Date/Time Prepared 09/23/18 1800hrs		Operational Period Date/Time 9/24/18 0700 To 1900		
Only frequencies listed on this 205 are authorized for use on this incident.			Hand programmers accept all responsibility for the use of unauthorized frequencies.						
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	MNF FIRE NET	MNF FIRE	COMMAND	171.5500 N		164.5000 N	TONES 1,2,4,6,7	A	WEST SIDE TONES 1,4,6,7 EAST SIDE TONES 1,2,6
2	NIFC TAC 1	NIFC T1	DIV A - G, H	168.0500 N		168.0500 N		A	
3	NIFC TAC 3	NIFC T3	DIV I - L	168.6000 N		168.6000 N		A	
4	MNF ADMIN	MNF ADMIN	INITIAL ATTACK	169.9750 N		169.1750 N	TONES 1,2,4,6,7	A	WEST SIDE TONES 1,4,6,7 EAST SIDE TONES 1,2,6
5	NIFC TAC 2	NIFC T2	INITIAL ATTACK	168.2000 N		168.2000 N		A	FOR INITIAL ATTACK ONLY
6	R5 TAC 4	R5 TAC 4	INITIAL ATTACK	166.5500 N		166.5500 N		A	FOR INITIAL ATTACK ONLY
7	R5 TAC 5	R5 TAC 5	INITIAL ATTACK	167.1125 N		167.1125 N		A	FOR INITIAL ATTACK ONLY
8	R5 TAC 6	R5 TAC 6	INITIAL ATTACK	168.2375 N		168.2375 N		A	FOR INITIAL ATTACK ONLY
9									
10									
11									
12									
13	AIR TO GROUND	R5 A/G 14	PRIMARY A/G	167.5000 N		167.5000 N		A	PRIMARY A/G
14	AIR TO GROUND	R5 A/G 59	SECONDARY A/G	169.1125 N		169.1125 N		A	SECONDARY A/G
15	CALCORD	CALCORD	ALL DIVISIONS	156.0750 N		156.0750 N	TONE 6	A	MEDI-VAC COORDINATION USE TONE 6
16	AIR GUARD	AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	TONE 1	A	EMERGENCY ONLY USE TONE 1
Prepared by			Incident Location						
 Rick Stone, COM1			 MENDOCINO COMPLEX ICP, MENDOCINO NATIONAL FOREST						



# MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period				Day/Night			
<b>MENDOCINO COMPLEX</b>				Date/Time <b>9/24/18 0700 - 1900</b>							
3. Ambulance Services											
Name		Location		Phone & EMS Frequency		Advanced Life Support (ALS)		Yes		No	
Mountain Ambulance 1		Div H (ICP Night)		Contact on Command		X					
Enloe Ambulance		Local EMS		911		X					
4. Air Ambulance Services											
Name		Phone		Type of Aircraft & Capability							
Reach 25 min eta		911		Air Ambulance – Willits, CA Day/Night							
Enloe Flight Care 25 min eta		911		Air Ambulance- Chico, CA Day/Night							
CHP 40 min eta		911		Hoist Rescue – Auburn, CA Day only							
Calfire H-101, H-205 30 min eta		911		Hoist Rescue- Willits, CA & Vina, CA Day only							
5. Hospitals											
Name & Level		GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air Gnd		Phone		Helipad Yes No		Address	
Colusa Regional Med. Cntr		Lat:	N39°12.353	15 min	1:10 min	530-619-0800	X		199 E. Webster Ave. Colusa, CA 95932		
		Long:	W121°59.987								
		VHF:									
Glenn Medical Center		Lat:	N39°31.359	15 min	48 min	530-934-1840 (ER)	X		1133 W. Sycamore, Willows, CA 95988		
		Long:	W122°12.471								
		VHF:									
Enloe Medical Center – Level II Trauma		Lat:	N39°44.517	25 min.	1:30 min	530-895-9107	X		1530 Esplanade, Chico, CA 95926		
		Long:	W121°51.018								
		VHF:									
UC Davis Level I Trauma/Burn Center		Lat:	N38°33.30	35 min.	2 hrs	916-734-3636 916-734-3790	X		2315 Stockton Blvd. Sacramento, CA		
		Long:	W121°27.33								
		VHF:									
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily											
Crew EMTs & Equipment											
Fireline EMTs & Location Adv. Life Support?											
Air Hoist site: Lat: / Long:											
Helispot: Lat: / Long:											
Alternate no-fly plan:											
7. Remote Aid Stations											
Mendocino Medical Unit– ICP – Stonyford, CA N39°22.253 W122°32.284		Point of Contact:		MEDL – Josh Ramey (Cell: 530-277-1213)							
		EMS Responders & Capability:		Paramedic - Advanced Life Support							
		Equipment Available on Site:		Medical supplies							
		Ambulance ETA :		Air – 20 min. Ground – 45 min.							
8. Prepared By (Medical Unit Leader)				9. Date/Time		10. Reviewed By (Safety Officer)				11. Date/Time	
Josh Ramey – MEDL 530-277-1213				9/23/18 1930		Jeff Barnhart – SOF2				9/23/18 1930	

# MEDICAL PLAN (ICS 206 WF)

## Medical Incident Report

### 1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"

Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)

### 2. INCIDENT STATUS:

Provide incident summary (including number of patients) and command structure. .Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat. / Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."

#### SEVERITY

#### TRANSPORT PRIORITY

☐ **URGENT-RED Life threatening injury or illness.**

Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.

Ambulance or MEDEVAC helicopter. Evacuation need is **IMMEDIATE.**

☐ **PRIORITY-YELLOW Serious Injury or illness.**

Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.

Ambulance or consider air transport if at remote location. Evacuation may be **DELAYED.**

☐ **ROUTINE-GREEN**

Not a life threatening injury or illness. Ex: Sprains, strains, minor heat-related illness.

Non-Emergency. Evacuation considered **Routine of Convenience.**

#### Nature of Injury or Illness & Mechanism of Injury

Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)

#### Transport Request

Air Ambulance / Short-Haul/Hoist/ Ground Ambulance / Other

#### Patient Location

Descriptive Location & Lat. / Long. (WGS84)

#### Incident Name

Geographic Name + "Medical" (Ex: Trout Meadow Medical)

#### On-Scene Incident Commander

Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)

#### Patient Care

Name of Care Provider (Ex: EMT Smith)

### 3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient. Start with most severe.

#### Patient Assessment: (See IRPG page 106)

#### Treatment:

### 4. TRANSPORT PLAN:

**Evacuation Location** (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.)

**Patient's ETA to Evacuation Location:**

**Helispot / Extraction Site Size and Hazards:**

### 5. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

- |  |  |                                      |  |                                 |
|--|--|--------------------------------------|--|---------------------------------|
| <input type="checkbox"/> Paramedic/EMT(s)                                  | <input type="checkbox"/> SKED/Backboard/C-Collar | <input type="checkbox"/> Crew(s)     | <input type="checkbox"/> Burn Supplies       | <input type="checkbox"/> Oxygen |
| <input type="checkbox"/> Trauma Bag  | <input type="checkbox"/> Medication(s)           | <input type="checkbox"/> IV/Fluid(s) | <input type="checkbox"/> Cardiac Monitor/AED |                                 |
| <input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter) |  |                                      |  |                                 |

### 6. COMMUNICATIONS:

- Run Medical Emergency on Command

- Coordinate with air ambulance on CALCORD tone 6

### 7. CONTINGENCY:

Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.

### 8. ADDITIONAL INFORMATION: Updates / Changes, etc.

#### REMEMBER:

- Confirm ETA's of resources ordered
- Act according to your level of training
- If air or ground ambulance is **DELAYED**: Package and transport patient to rendezvous with incoming Ambulance.
- Re-route EMS helicopter to rendezvous point as appropriate.



## INCIDENT SAFETY ANALYSIS 215A

Mendocino Complex/ CA-MEU-008674 - Day Shift, Monday September 24 <sup>th</sup> , 2018		
Location	Hazard	Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All Divisions	Driving & Traffic	<ul style="list-style-type: none"> <li>~ Practice "Defensive Driving" techniques traveling on all roads and city streets.</li> <li>~ Use spotters &amp; Honk horn to alert personnel when backing.</li> <li>~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts).</li> <li>~ Always use headlights.</li> <li>~ Yield to pedestrians and bicycles.</li> <li>~ Observe posted speed limits.</li> <li>~ Use the 3 second rule for following distance when driving.</li> <li>~ Avoid distractions (eating, cell phones, radio).</li> <li>~ Ensure that windshields are kept clean of dust and bugs.</li> <li>~ Refer to "Smoke and Transportation Safety" IRPG Pg 31</li> <li>~ Refer to "Roadside Response Safety" IRPG Pg 26</li> </ul>
All Divisions	Hazard Trees	<ul style="list-style-type: none"> <li>~ Follow "Hazard Tree Safety" guidelines, IRPG page 22.</li> <li>~ Post lookouts, or use a spotter in mop-up areas with personnel.</li> <li>~ Don't park vehicles or take breaks in high concentrations of hazard trees.</li> <li>~ Establish trigger points for disengagement during high wind events.</li> <li>~ Remember that the hazard zone extends a minimum of 2 1/2 tree heights.</li> </ul>
All Divisions	Chain Saw Operations	<ul style="list-style-type: none"> <li>~ Follow "Hazard Tree Safety" guidelines, IRPG Pg 22</li> <li>~ Follow "Procedural Felling Operations" IRPG Pg 85.</li> <li>~ Look up, Look down, Look around for hazard tree indicators.</li> <li>~ Only fell and buck trees within your expertise, and training.</li> <li>~ Do not fall trees during high wind events.</li> <li>~ Ensure proper use of all required PPE.</li> </ul>
All Divisions	Heavy Equipment Operations	<ul style="list-style-type: none"> <li>~ Refer to "Working with Heavy Equipment" IRPG Pg 86</li> <li>~ Ensure communications are established with operators.</li> <li>~ Use hand signals if other communications are unavailable.</li> <li>~ Maintain a 50'-100' exclusion area around equipment and increase it to 1 1/2 times tree height when in timber.</li> <li>~ Use a spotter when backing.</li> <li>~ Avoid working below heavy equipment.</li> </ul>
All Divisions	Injury & Medical Emergency	<ul style="list-style-type: none"> <li>~ Expect lengthy ground response/transport times.</li> <li>~ Utilize air transport if warranted and possible.</li> <li>~ Assist injured employee appropriate medical care.</li> <li>~ Use EMT's on Division for initial care.</li> <li>~ Follow "Emergency Medical Care" IRPG Pgs 105-118</li> <li>~ Follow procedures in Medical Plan, ICS 206</li> <li>~ Refer to "Planning for Medical Emergencies" IRPG Pg 2</li> </ul>

## INCIDENT SAFETY ANALYSIS 215A

All Divisions	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> <li>~ Maintain 8'-10' spacing when working &amp; walking.</li> <li>~ Don't work above any personnel.</li> <li>~ Be on the lookout for rolling rocks, debris, or burning material.</li> <li>~ Evaluate necessity to send personnel in areas with limited access.</li> <li>~ Post lookouts IRPG Pg 7</li> </ul>
All Divisions	Fatigue & Over Exertion	<ul style="list-style-type: none"> <li>~ Drink 1 quart of water each hour during and after work.</li> <li>~ Rotate crews out of smoky areas.</li> <li>~ Set a reasonable work pace and allow adequate rest breaks while on the project.</li> <li>~ Stagger work crews start time to limit fatigue.</li> <li>~ Use buddy system to monitor personnel of heat related and fatigue issues.</li> <li>~ Follow work / rest guidelines.</li> </ul>
All Divisions	Fireline Hazards	<ul style="list-style-type: none"> <li>~ Watch for falling and rolling debris on steep slopes.</li> <li>~ Alert crew personnel of rolling debris by yelling to affected individuals.</li> <li>~ Position debris that could roll vertically on slope.</li> <li>~ Avoid stepping over debris that could roll by walking around object.</li> <li>~ Use caution when working around stump holes/ash pits.</li> <li>~ Avoid radiant heat by wearing appropriate PPE correctly.</li> <li>~ Use correct tool for task assigned.</li> <li>~ Flag and isolate all HAZMAT and alert all personnel working in Division.</li> </ul>
All Divisions	Poisonous Plants	<ul style="list-style-type: none"> <li>~ Identify and Avoid hazard areas.</li> <li>~ Launder clothing.</li> <li>~ Shower frequently.</li> </ul>
All Divisions	Unplanned Public Interaction	<ul style="list-style-type: none"> <li>~ Be alert to non-fire personnel in areas with suppression personnel. (HUNTERS)</li> <li>~ All non-fire personnel will be escorted while on fireline.</li> <li>~ Post lookouts to in areas with public to avoid conflicts with mission tasks.</li> <li>~ Ensure sufficient security to restrict access to exclusion area.</li> </ul>
All Divisions	Communications	<ul style="list-style-type: none"> <li>~ Maintain communication with aviation resources, and suppression organization.</li> <li>~ Ensure all know frequency and protocol for contacting resources.</li> <li>~ Utilize the ICS 205.</li> <li>~ Utilize human repeaters when working in dead spots.</li> </ul>



## INCIDENT SAFETY ANALYSIS 215A

All Divisions	Heat Related Illness (HRI)& Dehydration	<p>~ Refer to Heat Related Illness information, IRPG Pg 109</p> <p>~ Drink Fluids throughout operational period (6-8 qts/shift).</p> <p>~ Maintain water/electrolyte ratio of 3 to 1.</p> <p>~ Maintain proper nutrition.</p> <p>~ Carry extra water on line and cache water at drop points.</p> <p>~ Take Frequent breaks, minimum of 10 minutes every hour.</p> <p>~ Allow out of area resources time to acclimatize before expecting peak performance.</p> <p>~ Recognize symptoms of HEAT RELATED ILLNESS which include.</p> <ul style="list-style-type: none"> <li>o Lack of energy</li> <li>o Headaches, dizziness</li> <li>o Lack of rest</li> <li>o No hunger, poor eating habits</li> <li>o Hot skin, and lack of sweating</li> </ul>
All Divisions	Wildlife & Livestock	<p>~ Watch out for wildlife &amp; livestock inside fire area, CAMP, and along roadways.</p> <ul style="list-style-type: none"> <li>- Bear - Elk - Deer - Rattlesnakes</li> </ul> <p>~ Clean up all debris and trash during each operational period.</p>
All Divisions	School Zone Safety	<p>~ Avoid traveling through the school zone between 0800 and 0900 hrs if possible</p> <p>~ Take extra precautions through the school zone in Stonyford (be extra cautious, drive slower than normal, etc.)</p>
All Divisions	ICP Sleeping Areas	<p>~ Ensure that campsite locations are pre-identified and flagged</p> <p>~ Use glow sticks to ensure that vehicles stay away from sleeping areas.</p>



## Today's discussion is from the Miscellaneous Category

### Bees and Wasps

In general bees sting to protect their hive and seldom sting when they are out foraging unless they feel threatened (like being swatted at or stepped on). On the other hand, a large number of bees or wasps foraging in one area may indicate a colony is nearby. If you intend to work or camp in the area, scout the area for bee/wasp habitat first. Colonies vary in behavior over time, especially with changes in season, **becoming more aggressive and easily agitated in the late summer and fall**. You may pass the same colony for weeks and then one day provoke them unexpectedly. Look out for colonies: Bees and wasps nest in a wide variety of locations, such as pipes, holes, behind shutters, under shingles, cracks and crevices within trees and rocks, and hanging from branches. Be alert for groups of flying bees entering or leaving an opening and listen for buzzing sounds. Be especially alert when climbing, digging fire line and moving logs. **DO NOT** put your hands where you can't see them.

Be particularly careful when using any heavy equipment that produces sound vibrations, such as chainsaws, weed eaters and pumps. Keep escape routes in mind.

!!! If you disturb a nest and are being attacked, run away. Use your shroud or shirt to protect your head neck and face. Swatting and waving your arms aggravates bees/wasps more!

#### **Considerations with all bees and wasps:**

**Systemic, Allergic, or Life-Threatening Reactions:** Allergic reactions can develop anywhere on the body and may include rash or hives, dizziness or headache, cramps, nausea, vomiting, swelling not in the general area of the sting, shortness of breath or difficulty swallowing, shock and unconsciousness. If you experience any of these symptoms, seek emergency medical assistance immediately. Symptoms can begin immediately following the sting or up to 30 minutes later and might last for hours.

**If you know you are allergic:** Anaphylaxis, if treated in time, usually can be reversed by epinephrine (adrenaline) injected into the body. Individuals who are aware that they are allergic to stings should carry epinephrine in either a normal syringe (sting kit) or an auto-injector (Epi-Pen) at all times when working outside and communicate their allergy to supervisor/coworkers in case they become incapacitated. Epinephrine is obtainable only by prescription from a physician. Discussion Topics: Have you and your crew identified who is allergic to bee/wasp stings? Are they carrying their prescription Epi? Identify the Epi and its location to the rest of the crew.

If you have an EMT on your crew/team, what are their protocols for treating stings and related allergic reactions?

Discuss how you and your crew will safely flag or mark any identified nests/hives



ICS 214